

**IN THE CLAIMS:**

1. (currently amended) A catalyst Catalyst complex for catalyzing esterification and transesterification reactions, comprising:
  - i. a polymeric titanium glycolate having represented by the formula  $[\text{TiO}_4(\text{CH}_2)_4]_n$  wherein n= 1 to 200; and
  - ii. an alkali metal glycolate,

wherein the molar ratio of the polymeric titanium glycolate and the alkali metal glycolate is about 1.25:1 to about 100:1, ~~preferably about 1.25:1 to about 10:1.~~
2. (currently amended) The catalyst Catalyst complex according to claim 1, wherein characterized in that the alkali metal is sodium and the glycolate has is represented by the formula Na-O-CH<sub>2</sub>-CH<sub>2</sub>-OH.
3. (currently amended) The catalyst Catalyst complex according to claim 1 or 2, characterized in that the total content of the metals of the catalyst complex in a mixture of esterification components is 1 to about 70 ppm, preferably about 10 to about 50 ppm, referred to the acid esterification component wherein the molar ratio of the polymeric titanium glycolate and the alkali metal glycolate is about 1.25:1 to about 10:1.
4. (currently amended) A process Process for the esterification of a dicarboxylic carboxylie acid compound and an alcohol alcholic compound comprising contacting a process feed comprising a dicarboxylic acid compound and an alcohol compound with the using a catalyst complex of claim 1, wherein the according to any of the preceding claims 1 to 3,

~~characterized in that the carboxylic acid compound is a dicarboxylic acid or compound is represented by the formula HOOC-R-COOH, wherein R is, is a linear or branched, an alkylene group, an arylene group, and alkenylene group, or a combination thereof alkyl, alkenyl or aryl group containing 2 to 30 carbon atoms.~~

5. (currently amended) The process Process according to claim 4, ~~wherein characterized in that R contains has about 2 to about 30, preferably about 4 to about 15 carbon atoms.~~
6. (currently amended) The process Process according to claim 4 or 5, ~~wherein the dicarboxylic characterized in that the carboxylic acid compound is selected from the group consisting of comprising terephthalic acid, isophthalic acid, naphthalenic diacid, succinic acid, adipic acid, phthalic acid, glutaric acid, oxalic acid, acid and maleic acid acid, and combinations thereof.~~
7. (currently amended) The process Process according to claim 6, ~~wherein the dicarboxylic characterized in that the carboxylic acid compound is terephthalic acid.~~
8. (currently amended) The process Process according to claim 4 or 5, ~~wherein the dicarboxylic characterized in that the carboxylic acid compound is an oligomer having repeating units derived from a carboxylic acid.~~
9. (currently amended) The process Process according to claim 4, wherein any of the preceding claims 4 to 8, characterized in that the alcoholic the alcohol compound is comprises an alkylene glycol represented by of the formula HO-R'-OH, HO-R'-OH or a polyalkylene glycol having represented by the formula HO-[R"-O]<sub>n</sub>-H, or combinations thereof, wherein R' is a an alkylene group, linear or branched alkyl group, having 2 to

~~about 10, preferably 2 to 4~~ 10 carbon atoms, and wherein R'', ~~being the same or different,~~  
~~is an alkylene~~ is an alkyl group having 1 to about 10, ~~preferable 1 to 5~~ 10 carbon atoms.

10. (currently amended) The process Process according to claim 9, characterized in that the ~~alcoholic~~ 6, wherein the alcohol compound is selected from the group ~~comprising~~  
consisting of ethylene glycol, propylene glycol, isopropylene glycol, butylene glycol, 1-methyl propylene glycol, pentylene glycol, neopentylene glycol, and combinations thereof.

11. (currently amended) The process Process according to any one of the preceding claims 4 to 10, characterized in that claim 4, wherein the process is carried out at a temperature of about 150°C to about 500°C, preferably 250° to 300°C and at a pressure of about 0.001 atmosphere to about 10 atmospheres.

12. (currently amended) The process Process according to any of the preceding claims 4 to 11, characterized in that claim 10, wherein the process is carried out at a temperature of about 250°C to about 300°C and a pressure of about 0.001 atmospheres to about 10 atmospheres.

13. (currently amended) The process Process according to any of the preceding claims 4 to 12, characterized in that claim 4, wherein the molar ratio of the alcoholic alcohol compound to the carboxylic dicarboxylic acid compound is in the range of about 0.1:1 to about 10:1, preferably about 1:1 to about 3:1.

14. (currently amended) The process Process according to any one to the preceding claims 4 to 13, characterized in that the catalyst claim 4, wherein the catalyst complex is present in

~~the range of about a concentration of about 1 ppm to about 70 ppm of esterification components, preferably about 10 to about 50 ppm, referred to the acid esterification component in the process feed.~~

15. (canceled).

16. (new) The catalyst complex of claim 3, wherein the alkali metal glycoolate is represented by the formula Na-O-CH<sub>2</sub>-CH<sub>2</sub>-OH.

17. (new) The process according to claim 7, wherein the alcohol compound comprises ethylene glycol.

18. (new) The process according to claim 10, wherein the molar ratio of the alcohol compound to the dicarboxylic compound in the process feed is in the range of about 1:1 to about 3:1.

19. (new) The process according to claim 4, wherein the catalyst complex is present in a concentration of about 1 ppm to about 50 ppm in the process feed.

20. (new) The process according to claim 9, wherein the catalyst complex is present in a concentration of about 1 ppm to about 50 ppm in the process feed.

21. (new) The process according to claim 12, wherein the catalyst complex is present in a concentration of about 1 ppm to about 50 ppm in the process feed.